

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT**

|             |   |                   |                   |
|-------------|---|-------------------|-------------------|
| Applicant:  | Yoshiaki Arata  | Docket No.:       | 49288.1000        |
| Serial No.: | 10/530,982  | Examiner:         | Awai, Alexandra F |
| Filed:      | October 11, 2005  | Group Art Unit:   | 3663              |
| Title:      | HYDROGEN CONDENSATE AND<br>METHOD OF GENERATING<br>HEAT THEREWITH | Confirmation No.: | 9255              |

**AMENDMENT AND REPLY**

Mail Stop Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

In reply to the Office Action mailed on October 4, 2006, of which this Reply is filed with a two (2) month extension of time, please consider the following amendments and remarks.

Yoshiaki Arata (the owner by assignment of U.S. Utility Patent Application No. 10/530,982) hereby requests that the entity status be changed from "large entity" to "small entity" in the U.S. Patent and Trademark Office records. At no time has there been deceptive intent. On October 11, 2005, the above -referenced application was filed and an assignment from Yoshiaki Arata to Osaka Industrial Promotion Organization (which is a large entity) was recorded (Reel 016636, Frame 0506). On May 19, 2005 an assignment from Osaka Industrial Promotion Organization to Plasma Giken Co., Ltd. (which is a large entity) was recorded (Reel 017644, Frame 0380). On October 30, 2006 an assignment from Plasma Giken Co., Ltd. back to the sole inventor, Yoshiaki Arata, was recorded (Reel 018453, Frame 0357). Since that time, the application has not been assigned or licensed the application to a large entity.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks/Arguments** begin on page 6 of this paper.